

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5730	((gas same oil same ratio) or gor) same (well or wellbore or (oil same well)) and (volume or vg) same gas and ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 13:47
L2	5730	((((gas same oil same ratio) or gor) same (well or wellbore or (oil same well))) and ((volume or vg) same gas) and ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 13:08
L3	393	((gas same oil same ratio) or gor) with (well or wellbore or (oil same well)) and ((volume or vg) with gas) and ratio with (gas or oil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 13:18
L4	292	((gas with oil with ratio) or gor) with (well or wellbore or (oil same well)) and ((volume or vg) with gas) and ratio with (gas or oil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 13:11
L5	8	((gas with oil with ratio) or gor) with (well or wellbore or (oil same well)) and ((volume or vg) with gas) and ratio with (gas or oil) and equation and estimate\$3 same density	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 13:12
L6	37	((gas same oil same ratio) or gor) with (well or wellbore or (oil same well)) and ((volume or vg) with gas) and ratio with (gas or oil) and gor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 13:43
L7	0	(GOR) and vg and vo and toc	US-PGPUB; USPAT	OR	ON	2005/05/04 13:46
L8	2393	((gas same oil same ratio) or gor) and (((total same organic same carbon) or toc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 13:48
L9	511	((((gas same oil same ratio) or gor) and (((total same organic same carbon) or toc)) and equation\$3 and ratio\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 13:49

L10	511	((((gas same oil same ratio) or gor) and ((total same organic same carbon) or toc)) and equation\$3 and ratio\$3 and oil	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 13:49
L11	511	((((gas same oil same ratio) or gor) and ((total same organic same carbon) or toc)) and equation\$3 and ratio\$3 and (oil or hydrocarbon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 13:51
L12	121	73/152.55.ccls.	US-PGPUB; USPAT	OR	ON	2005/05/04 15:16
L13	8865	73/152.55.ccls. and gor or (gas same oil same ratio)	US-PGPUB; USPAT	OR	ON	2005/05/04 13:58
L14	8	73/152.55.ccls. and (gor or (gas same oil same ratio))	US-PGPUB; USPAT	OR	ON	2005/05/04 17:18
L15	9	73/152.55.ccls. and (gor or (gas same oil same ratio))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 13:59
L16	7	73/152.55.ccls. and (gas with oil with ratio)	US-PGPUB; USPAT	OR	ON	2005/05/04 15:39
L17	1	"6031545".pn.	US-PGPUB; USPAT	OR	ON	2005/05/04 15:40
L18	32464	(alexander et "al.").in.	US-PGPUB; USPAT	OR	ON	2005/05/04 15:44
L19	4	(alexander et "al.").in. and (gor)	US-PGPUB; USPAT	OR	ON	2005/05/04 17:17
L20	1	(rune same mittet).in.	US-PGPUB; USPAT	OR	ON	2005/05/04 17:17
L21	8	73/152.55.ccls. and (gor or (gas same oil same ratio))	US-PGPUB; USPAT	OR	ON	2005/05/04 17:18
S1	551	gor	US-PGPUB; USPAT	OR	ON	2005/01/11 16:11
S2	113	gor same well	US-PGPUB; USPAT	OR	ON	2005/01/09 17:32
S3	0	gor same well and (toc or (total same organic same carbon))	US-PGPUB; USPAT	OR	ON	2005/01/09 17:33
S4	51	gor same well and volume same gas	US-PGPUB; USPAT	OR	ON	2005/01/09 17:34
S5	54	gor same (well or wellbore or (oil same well))and volume same gas	US-PGPUB; USPAT	OR	ON	2005/01/09 17:35

S6	31	gor same (well or wellbore or (oil same well))and volume same gas and equation	US-PGPUB; USPAT	OR	ON	2005/01/09 17:35
S7	34	gor same (well or wellbore or (oil same well))and volume same gas and equation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/04 13:03
S8	0	volume same gas and vg and volume same oil and vo and volume same ratio and gor	US-PGPUB; USPAT	OR	ON	2005/01/09 17:50
S9	0	volume same gas and vg and volume same oil and vo and volume same ratio	US-PGPUB; USPAT	OR	ON	2005/01/09 17:51
S10	151	volume same gas and (vg or vo or gor) and volume same oil and volume same ratio	US-PGPUB; USPAT	OR	ON	2005/01/09 17:54
S11	40	volume same gas and (vg and vo or gor) and volume same oil and volume same ratio	US-PGPUB; USPAT	OR	ON	2005/01/09 17:52
S12	0	volume same gas and (vg and vo and gor) and volume same oil and volume same ratio	US-PGPUB; USPAT	OR	ON	2005/01/09 17:52
S13	0	volume same gas and (vg and vo) and volume same oil and volume same ratio	US-PGPUB; USPAT	OR	ON	2005/01/09 17:52
S14	112	volume same gas and (vg or vo) and volume same oil and volume same ratio	US-PGPUB; USPAT	OR	ON	2005/01/09 17:53
S15	32	volume same gas and (vg) and volume same oil and volume same ratio	US-PGPUB; USPAT	OR	ON	2005/01/09 17:53
S16	80	volume same gas and (vo) and volume same oil and volume same ratio	US-PGPUB; USPAT	OR	ON	2005/01/09 17:53
S17	0	volume same gas and (vo and vg) and volume same oil and volume same ratio	US-PGPUB; USPAT	OR	ON	2005/01/09 17:53
S18	144	volume same gas and (vg or vo or gor) and volume same oil and volume same ratio and well\$4	US-PGPUB; USPAT	OR	ON	2005/01/09 17:54
S19	33	volume same gas and (vg or vo or gor) and volume same oil and volume same ratio and well\$4 and drill\$3	US-PGPUB; USPAT	OR	ON	2005/01/09 18:03
S20	2258	(well\$4 or oilwell or borehole) and estimat\$3 same volume same ratio	US-PGPUB; USPAT	OR	ON	2005/01/09 18:04

S21	47	(well\$4 or oilwell or borehole) and estimat\$3 same volume same ratio same (gas or oil) and drill\$3	US-PGPUB; USPAT	OR	ON	2005/01/09 18:05
S22	48	(well\$4 or oilwell or borehole) and estimat\$3 same volume same ratio same (gas or oil) and (mwd or drill\$3)	US-PGPUB; USPAT	OR	ON	2005/01/09 18:34
S23	122	(well\$4 or oilwell or borehole) and estimat\$3 same volume same ratio same (gas or oil) and (mwd or drill\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/09 18:13
S24	0	Determining same estimate same gas/oil same ratio and duri\$3 same drilling	US-PGPUB; USPAT	OR	ON	2005/01/09 18:14
S25	56	Determin\$3 same estimate and gas/oil same ratio and duri\$3 and drilling	US-PGPUB; USPAT	OR	ON	2005/01/09 18:15
S26	53	Determin\$3 same estimate and gas/oil same ratio and duri\$3 same drilling	US-PGPUB; USPAT	OR	ON	2005/01/09 18:16
S27	5	("5635631" "5612493" "5473939" "5587525" "5708204").pn.	US-PGPUB; USPAT	OR	ON	2005/05/04 15:43
S28	9	("3332483" "3771360" "4797821" "4799157" "5156205" "5335542" "5473939" "5602334").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/09 18:27
S29	7	("4782695" "4862729" "4994671" "5329811" "5377755" "5386718" "5415024").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/09 18:28
S30	8	("4398416" "4442895" "4453595" "4635719" "4821164" "4991095" "5151658" "5497658").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/09 18:31
S31	3	("5843787" "4352673" "4153415").pn.	US-PGPUB; USPAT	OR	ON	2005/01/09 19:01
S32	12494	(well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc)	US-PGPUB; USPAT	OR	ON	2005/01/09 18:36
S33	2653	(well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc) and (volume same (oil or gas))	US-PGPUB; USPAT	OR	ON	2005/01/09 18:37
S34	17	(well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc) and (volume same (oil or gas)) and vg	US-PGPUB; USPAT	OR	ON	2005/01/09 18:37

S35	1894	(well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc) and (volume same (oil or gas)) and (volume same gas)	US-PGPUB; USPAT	OR	ON	2005/01/09 18:38
S36	1898	(well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc) and (volume same (oil or gas)) and ((volume same gas) or vg)	US-PGPUB; USPAT	OR	ON	2005/01/09 18:38
S37	22	(well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc) and (volume same (oil or gas)) and ((volume same gas) or vg) and vo	US-PGPUB; USPAT	OR	ON	2005/01/09 18:38
S38	556	(well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc) and (volume same (oil or gas)) and ((volume same gas) or vg) and (volume same oil)	US-PGPUB; USPAT	OR	ON	2005/01/09 18:39
S39	574	(well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo)	US-PGPUB; USPAT	OR	ON	2005/01/09 18:39
S40	566	(well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo) and (organic same carbon)	US-PGPUB; USPAT	OR	ON	2005/01/09 18:40
S41	574	(well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc)	US-PGPUB; USPAT	OR	ON	2005/01/09 18:41
S42	574	(well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total	US-PGPUB; USPAT	OR	ON	2005/01/09 18:41

S43	363	(well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total and (gas same ratio)	US-PGPUB; USPAT	OR	ON	2005/01/09 18:42
S44	405	(well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total and ((volume or gas) same ratio)	US-PGPUB; USPAT	OR	ON	2005/01/09 18:42
S45	141	(well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total and ((volume or gas) same ratio) and (dril\$4 same fluid)	US-PGPUB; USPAT	OR	ON	2005/01/09 18:43
S46	141	((well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc)) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total and ((volume or gas) same ratio) and (dril\$4 same fluid)	US-PGPUB; USPAT	OR	ON	2005/01/09 18:44
S47	138	((well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc)) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total and ((volume or gas) same ratio) and (dril\$4 same fluid) and equation\$3	US-PGPUB; USPAT	OR	ON	2005/01/09 18:45
S48	143	((well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc)) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total and ((volume or gas) same ratio) and (dril\$4 same fluid) and equation\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/09 20:29
S49	1	("5843787" "4352673" "4153415"). pn. and volume	US-PGPUB; USPAT	OR	ON	2005/01/09 19:12

S50	5	("5635631" "5612493" "5473939" "5587525" "5708204").pn. and volume	US-PGPUB; USPAT	OR	ON	2005/01/09 19:12
S51	0	("5635631" "5612493" "5473939" "5587525" "5708204").pn. and volume and mwd	US-PGPUB; USPAT	OR	ON	2005/01/09 19:08
S52	18	(lwd or mwd) and ((well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc)) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total and ((volume or gas) same ratio) and (dril\$4 same fluid) and equation\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/09 19:09
S53	18	(lwd or mwd) and ((well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc)) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total and ((volume or gas) same ratio) and (dril\$4 same fluid) and equation\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/09 19:10
S54	3	("5843787" "4352673" "4153415").pn.	US-PGPUB; USPAT	OR	ON	2005/01/09 19:12
S55	2	("5635631" "5612493" "5473939" "5587525" "5708204").pn. and volume and ratio	US-PGPUB; USPAT	OR	ON	2005/01/09 19:12
S56	97	Rock-Eval and ((well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc)) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total and ((volume or gas) same ratio) and (dril\$4 same fluid) and equation\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/09 20:30
S57	97	Rock-Eval same tool and ((well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc)) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total and ((volume or gas) same ratio) and (dril\$4 same fluid) and equation\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/09 20:30

S58	97	analysis and Rock-Eval same tool and ((well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc)) and (volume same (oil or gas)) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total and ((volume or gas) same ratio) and (dril\$4 same fluid) and equation\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/09 20:31
S59	97	analysis and Rock-Eval same tool and ((well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc)) and volume same (oil or gas) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total and ((volume or gas) same ratio) and dril\$4 same fluid and equation\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/09 20:32
S60	0	analysis and Rock-Eval same tool and ((well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc)) and volume same (oil or gas) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total and ((volume or gas) same ratio) and dril\$4 same fluid and equation\$3	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/09 20:33
S61	28	analysis and Rock-Eval same tool and ((well\$4 or oilwell or borehole or mwd) and ((total same organic same carbon) or toc)) and volume same (oil or gas) and ((volume same gas) or vg) and ((volume same oil) or vo) and ((organic same carbon) or toc) and total and ((volume or gas) same ratio) and dril\$4 same fluid and equation\$3	USPAT	OR	ON	2005/01/09 20:33

	U	1	Document ID	Issue Date	Pages
1	X		US 20040216521 A1	20041104	8
2	X		US 20030209066 A1	20031113	11
3	X		US 6581455 B1	20030624	29
4	X	X	US 5612493 A	19970318	10
5	X		US 4610160 A	19860909	7
6	X		US 3762219 A	19731002	17
7	X		US 2655038 A	19531013	4

	Title	Current OR	Current XRef
1	Method and apparatus for a continuous data recorder for a downhole sample tank	73/152.55	
2	METHOD AND APPARATUS FOR MEASURING FLUID DENSITY DOWNHOLE	73/152.05	73/152.55
3	Modified formation testing apparatus with borehole grippers and method of formation testing	73/152.55	175/50; 702/9
4	Method of determining gas-oil ratios from producing oil wells	73/152.55	166/250.01; 324/323; 367/14; 702/6; 73/152.18; 73/19.1
5	Method of determining the minimum level of enrichment for a miscible gas flood	73/152.55	261/108; 73/19.11; 73/61.41
6	APPARATUS FOR CONDUCTING CONTROLLED WELL TESTING OPERATIONS	73/152.23	166/317; 166/330; 73/152.55
7	Well formation packer assembly for measuring gas-oil ratios [TEXT AVAILABLE IN USOCR DATABASE]	73/152.42	166/183; 166/54; 166/64; 166/66; 73/152.55